

CARPENTRY

A student who has completed the Job Corps Carpentry program is equipped with the skills to contribute to your company as a valued employee from day one. Competence in academic and vocational skills is required for graduation. In addition, Job Corps students learn employability and technological skills. To complete his or her Carpentry training, a student must master skills in the following categories:

CARPENTRY HELPER, LEVEL I

GENERAL SAFETY

Recognize danger and take appropriate safety measures; wear proper safety clothing and personal protective equipment.

MATH

Perform carpentry-related math operations and measurements; calculate square-foot and linear measurements; square corners using the Pythagorean Theorem.

TRADE TERMINOLOGY

Identify the components of floor framing, wall framing, types of roofs, roof framing systems, insulation, roofing materials, siding, exterior finish systems and exterior trim components; identify different types and sizes of doors, windows, drywall, forms and form components.

HAND AND POWER TOOLS

Identify and use carpentry hand and power tools; identify proper maintenance and storage of tools.

LADDERS AND SCAFFOLDING

Select and safely use ladders and scaffolding.

LUMBER IDENTIFICATION

Identify sizes and types of framing lumber, lumber defects, sheathing and trim molding.

FASTENERS

Identify nail and screw types, masonry fasteners and other construction fasteners.

SAW HORSE

Build and use a saw horse.

CARPENTRY HELPER, LEVEL II

LEVEL I SKILLS PLUS SOME OR ALL THE FOLLOWING SPECIALTY AREAS:

FINISH CARPENTRY

DOORS AND WINDOWS

Install a pre-hung door; set a metal door frame; install door hardware and window units.

INTERIOR TRIM

Install casings, moldings, base, etc.

FORM WORK

FOOTING FORM

Build and strip footing form.

WALL FORMS

Erect and strip a wall form.

COLUMN AND PIER FORM

Build and strip column and pier form.

FRAMING**JOISTS AND SUBFLOORING**

Lay out, cut and install floor joists; frame a floor opening; install bridging, blocking and subfloor sheathing.

WALLS AND PARTITIONS

Frame walls and partitions with window and door openings; install backing for fixtures and cabinets; raise, align, plumb and brace walls and partitions; install wall sheathing.

RAFTERS AND TRUSSES

Identify components of the roof and truss system; cut and frame ceiling joists and rafters; install and brace pre-engineered roof trusses; install roof sheathing.

METAL STUDS, DRYWALL AND CEILING**METAL STUDS**

Lay out and install metal studs with rough openings.

DRYWALL

Lay out, cut and install drywall on walls and ceiling; install accessories (j-mold, corner mold, etc.).

CEILING

Lay out, level and install suspended ceiling.

ROOFING**REGIONALLY SPECIFIC ROOF COVERINGS**

Install roofing substrate; install finish roofing materials.